

**ATTORNEY DOCKET NO. 0492611-0546**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Czerwinski *et al.* Examiner: Lilling, Herbert J.  
Serial No.: 10/802,637 Art Unit: 1657  
Filing Date: March 17, 2004  
Title: URANIUM ENRICHMENT USING MICROORGANISMS

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**RESPONSE TO RESTRICTION REQUIREMENT**

Responsive to the Restriction Requirement mailed December 10, 2007, Applicants respectfully elect Group I (claims 1-23, 37-84, 86-96, 101-107, 121-133, 136-143 and 146-153), drawn to a method for separating isotopes of an actinide element using actinide element reducing microorganisms.

In addition, Applicants further elect the following species as identified in the Restriction Requirement:

A(a). Uranium;

B(2)(c). *Shewanella oneidensis*;

C(iii). whereby the microorganisms may have or may not have a gene which encodes a protein that reduces an actinide element; and

D(a). whereby the microorganisms are facultative aerobes.

Applicants submit that claims 1-23, 37-57, 60, 61, 63-65, 67-69, 71-84, 86-96, 101-107, 121-133, 136-143, and 146-153 read on the elected species.

Please charge any additional fees or credit any overpayments to our Deposit Account No. 03-1721.

The Examiner is invited to telephone the undersigned attorney to discuss any issues relating to this paper. Early and favorable actions are respectfully solicited.

Respectfully submitted,

/Fangli Chen/

Fangli Chen, Ph.D.  
Registration Number: 51,551

Choate, Hall & Stewart LLP  
Two International Place  
Boston, MA 02110  
t (617) 248-4715  
f (617) 248-4000  
fchen@choate.com  
Date: January 10, 2008